From: Powell, Greg
To: McAteer, Mike
Cc: Brescia, Nicolas
Subject: RE: Mayflower Arkansas Oil Spill
Date: Thursday, April 11, 2013 10:37:21 AM

Hi Mike:
We would have to have a chemist compare the GC/MS data from your sample and a Athabasca oil. The oil from that part of Canada is produced by a variety of methods. The very heavy crude oil (less than 10 API gravity) is mined. Other higher gravity oils (20 API) are produced by pumping which may include, surfactants, steam injection, etc.. The chromatogram should help determine if a diluent has been added. ExxonMobile should already know this and be able to provide the info.

Just remember that the oil that comes from this area of Alberta is tar sands oil, but it is the API gravity of the product that gives info on a specific production area.
thanks

-----Original Message-----
From: McAteer, Mike
Sent: Wednesday, April 10, 2013 9:51 PM
To: Powell, Greg
Cc: Brescia, Nicolas
Subject: FW: Mayflower Arkansas Oil Spill

Hello Greg:

I've asked the Coast Guard lab for the chromatograms on the Exxon oil.... it appears from the analysis they provided today that the "fingerprinting" simply says that the oil is heavy crude and that the two samples are similar. This helps but, I'm wondering about a couple of things: 1) does this analysis prove that the oil here at the Arkansas spill is definitely NOT Athabasca Tar Sands oil? and 2) will the chromatograms better define the type of oil it is and whether it has any added solutions (dilution?)?

We expect to get the lab data from the Little Rock lab later this week... we asked for full TCL and TAL analysis. I'm guessing this data will help determine if the oil had any additives and further clarify whether this is "conventionally" drilled oil versus Tar Sands oil.... am I on the right track here?

Thanks Greg.

Mike McAteer, OSC

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From: McAteer, Mike
Sent: Wednesday, April 10, 2013 5:39 PM
To: Juaire, Kristy L CIV; K.Warr@westonsolutions.com; t.a.walzer@westonsolutions.com
Cc: Rhotenberry, William; Crow, David; Parnell, Heth; Brescia, Nicolas; Steve Mason
Subject: RE: Mayflower Arkansas Oil Spill

Kristy:

Thanks for the quick turnaround on the data.

Can you please also send us the spectograms and chromatograms from both oil analyses.

Thanks very much, Kristy.

Mike McAteer
Federal On-Scene Coordinator

9426167

U.S. EPA - Region 6
214 354 9371

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From: Kristy.L.Juaire@uscg.mil [Kristy.L.Juaire@uscg.mil]
Sent: Wednesday, April 10, 2013 11:25 AM
To: K.Warr@westonsolutions.com; t.a.walzer@westonsolutions.com
Cc: Rhotenberry, William; McAteer, Mike; Crow, David; Parnell, Heth
Subject: RE: Mayflower Arkansas Oil Spill

Good afternoon,

I will follow this email with a second one. The second email will contain the Oil Sample Analysis Report. In order to open the document, use the password ARCrude

Please let me know if you have any questions about the results or analysis after you receive the report. Also, please let me know if you don't receive the report at all, as many times they get sucked into the EPA email filters.

Take care,

Kristy

Kristy Juaire
Forensic Chemist, CG MSL
860-271-2784